

DERWENT-ACC-NO: 2002-227112  
DERWENT-WEEK: 200244  
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TITLE: Skin care composition useful for treating aged or wrinkled skin comprises an antioxidant and carnitine

INVENTOR: HAMILTON N D

PATENT-ASSIGNEE:

ASSIGNEE	CODE
JUVENON INC	JUVEN

PRIORITY-DATA: 2000US-223584P (August 7, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
<u>W0 0211717</u>	February	EN
<u>A1</u>	14,	2002
<u>AU</u>	February	EN
<u>200138511</u>	18,	2002
<u>A</u>		

DESIGNATED-STATES: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
W02002011717A1	February 20, 2001	2001W0-US05311	
AU 200138511A	February 20, 2001	2001AU-038511	Based on

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS	<u>A61 K 31/385</u>	20060101
CIPS	<u>A61 K 31/415</u>	20060101
CIPS	<u>A61 K 38/13</u>	20060101
CIPS	<u>A61 K 8/35</u>	20060101
CIPS	<u>A61 K 8/43</u>	20060101
CIPS	<u>A61 K 8/44</u>	20060101
CIPS	<u>A61 K 8/49</u>	20060101

CIPS A61 Q 17/04 20060101

CIPS A61 Q 19/08 20060101

RELATED-ACC-N0: ##2002-338982

ABSTRACTED-PUB-N0: W0 0211717 A1

BASIC-ABSTRACT:

NOVELTY - Skin care composition comprises an antioxidant and carnitine in specified amount.

DESCRIPTION - A skin care composition in the form of a cream or lotion comprises a cosmetically acceptable vehicle, an antioxidant (1-30%), carnitine (1-30%) and optionally coenzyme Q (0.01-10%) and/or creatine (1-30%). The cream or lotion delivers 40 mg/day of an antioxidant, 50 mg/day of a carnitine and optionally 10 mg/day of coenzyme Q and/or 0.5 grams/day of creatine.

INDEPENDENT CLAIMS are included for:

(1) a cosmetic method of treating aged, photoaged, dry, lined or wrinkled skin and improving the mitochondrial function in the skin involves applying a cosmetic skin care composition to the skin comprising antioxidant (0.01-30%), carnitine (0.01-30%), optionally coenzyme Q (0.001-10%) and/or creatine (0.1-40%) and cosmetically acceptable vehicle; and

(2) a method of protecting skin from the deleterious effects of sun exposure involves applying a sunscreen composition comprising antioxidant (0.001-10%), carnitine (0.001-10%), optionally coenzyme Q (0.001-10%) and/or creatine (0.1-40%).

None given.

USE - For treating aged, photoaged, dry, lined and wrinkled skin; for improving the mitochondrial function in the skin; for protecting skin from the deleterious effects of sun exposure (all claimed). The cosmetic composition can also added to hair tonic, lotion, cream, shampoo, conditioner, cleansers, normalizers, surface moisturizers, serums, anti-wrinkle creams, long-lasting lipsticks, lip-glosses, face masks, bath salts; also useful in a wide variety of new beauty products such as facial, neck and hand patches; professional and home facial kits; chemical peels or post-peel gels and creams; products to lighten age spots and sunspots; products to minimize scars; products to use after laser treatment; moisturizing gloves and socks; anti-small vein lotion; medicated creams, paraffin soaks, shave creams for men and women; depilatory products; anti-razor rash products; hair- and scalp-rejuvenating formulas.

ADVANTAGE - The composition slows the downward spiral that skin experience with age. It also protects skin against the impairments of aging and permits rejuvenated skin cells to restore youthful immune resistance and appearance. The combination can be used for both medical and cosmetic application.

ABSTRACTED-PUB-N0: W0 0211717 A1

EQUIVALENT-ABSTRACTS:

PHARMACEUTICALS

Preferred Components: The antioxidant is lipoic acid (preferably R-alpha-lipoic acid). The carnitine is acetyl-L-carnitine (ALC). The coenzyme Q is coenzyme Q10.

The administration is topical in the form of cream or lotion.

An oil-in-water emulsion cosmetic composition was prepared comprising (w/w.%): DI water (73.40), carbomer (0.30), disodium EDTA (0.10), glycerin (3), polysorbate 20 (2.50), butylene glycol (2), methylparaben (0.30), triethanolamine (0.30), isopropyl myristate (4), octyl palmitate (3), cetyl alcohol (1), carnitine (1), lipoic acid (1), creatine (0.90), dimethicone (0.50), beeswax (0.30), propylparaben (0.10), coenzyme Q10 (0.10), germall II (0.10), fragrance (0.10). The composition was suitable for improving the appearance and for application to healthy skin to prevent or retard deterioration.

TITLE-TERMS: SKIN CARE COMPOSITION USEFUL TREAT AGE WRINKLE COMPRISE ANTIOXIDANT CARNITINE

DERWENT-CLASS: B05 D21

CPI-CODES: B07-B03; B10-A06; B10-A17; B10-A22; B14-N17; B14-R01; D08-B01; D08-B09A1; D08-B09A3; D08-B11; D09-E01;

CHEMICAL-CODES:

Chemical Indexing M2 \*01\*

Fragmentation Code

G018 G100 H5 H542 H7 H723 H8 K0 L9 L951

M210 M211 M226 M232 M240 M272 M282 M320 M414 M431

M510 M520 M531 M540 M782 P943 Q254

Specific Compounds

R03904

Registry Numbers

129944

Chemical Indexing M2 \*02\*

Fragmentation Code

J0 J011 J1 J171 K0 L2 L250 M210 M211 M273

M281 M311 M321 M342 M349 M381 M391 M416 M431 M620

M782 P943 Q254

Specific Compounds

R00118

Registry Numbers

91785

Chemical Indexing M2 \*03\*

Fragmentation Code

G018 G100 H5 H542 H7 H723 H8 K0 L9 L951

M210 M211 M226 M232 M240 M272 M282 M320 M414 M431

M510 M520 M531 M540 M782 P943 Q254

Specific Compounds

R03245

Registry Numbers  
109833

Chemical Indexing M2 \*04\*

Fragmentation Code

F013 F240 J0 J011 J1 J171 M280 M314 M321 M332  
M342 M372 M391 M413 M431 M510 M521 M530 M540 M782  
P943 Q254

Ring Index Numbers

00137

Specific Compounds

R04421

Registry Numbers

108771

Chemical Indexing M2 \*05\*

Fragmentation Code

H1 H181 H4 H401 H481 H8 J0 J011 J1 J171  
K0 L7 L722 M210 M211 M273 M283 M313 M321 M332  
M343 M381 M391 M416 M431 M620 M782 P943 Q254

Specific Compounds

R12266

Registry Numbers

90095

UNLINKED-DERWENT-REGISTRY-NUMBERS: 0118U

SECONDARY-ACC-N0:

CPI Secondary Accession Numbers: 2002-069146